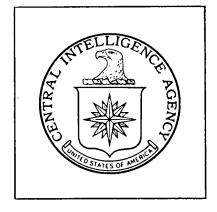
Top Secret



DIRECTORATE OF INTELLIGENCE

Industrial Facilities (Non-Military)

Basic Imagery Interpretation Report

Selected Copper Production Facilities China

Top Secret

DATE MAY 1971 COPY 17

PAGES



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RCS - 13/0023/71

CENTRAL INTELLIGENCE AGENCY Directorate of Intelligence Imagery Analysis Service

ABSTRACT

This report updates the previous basic reporting on five of the major copper production facilities in China. It is based on photography from December 1969 to February 1971.

A possible electrolytic cell building was observed in the early stage of construction at the Shen-hung-ching plant in December 1970. Other changes include the completion of a new fabrication area at the Pai-yin plant and minor construction activity at the Kun-ming and Chu-chou plants. No apparent changes were observed at the Shen-yang plant during this reporting period.

The plants at Chu-chou, Pai-yin, Shen-hung-ching, and Shen-yang were observed in operation on all referenced photography. The Kun-ming Copper Smelter was observed in operation on all photographic coverage except that of

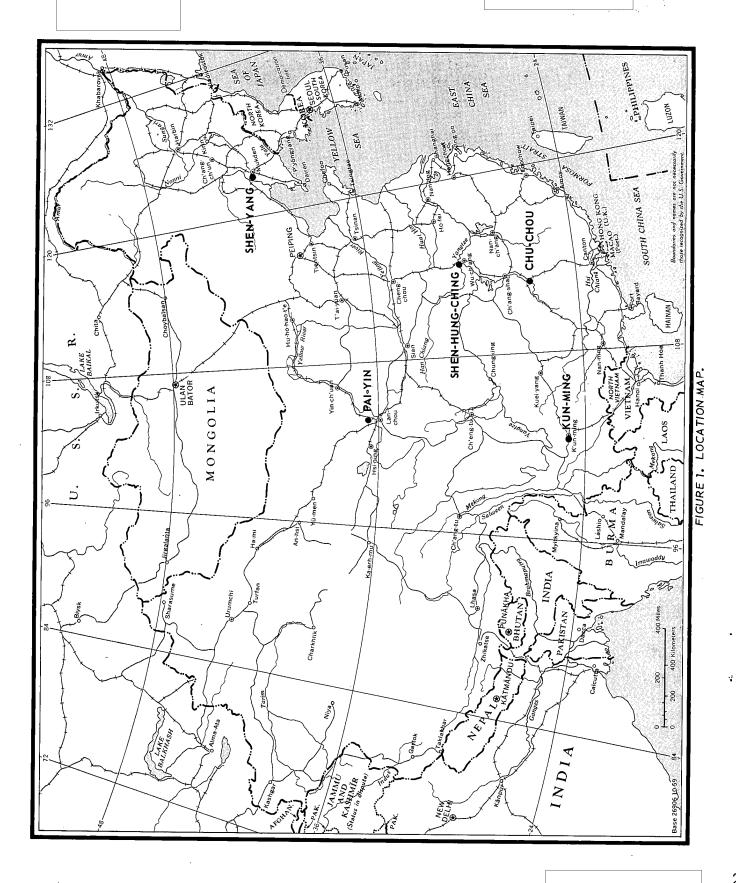
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INTRODUCTION

This report presents information on the operational status of the following five copper production facilities in China and describes any changes since the previous report.

Other nonferrous metals are produced at the Chu-chou and Shen-yang plants; however, copper production at each of the five plants is the primary concern of this report.

- 1. Chu-chou Nonferrous Metals Plant 601
- 2. Kun-ming Copper Smelter and Refinery Ta-pu-chi
- 3. Pai-yin Copper Smelter and Refinery Plant
- 4. Shen-hung-ching Copper Smelter
- 5. Shen-yang Nonferrous Metals Plant

Requirement

COMIREX NO1 Support Number 421991

Documents

CIA.	RCS - 13/0032/70, Selected Copper Production Facilities, China May 1970, (TOP SECRET CHESS RUFF)
CIA.	RCS - 13/0140/69, Selected Copper Production Facilities, China May 1969, (TOP SECRET CHESS RUFF)
CIA.	DDI/IAR 85003. Selected Nonferrous Metals Plants, Communist China July 1967, (TOP SECRET CHESS RUFF)

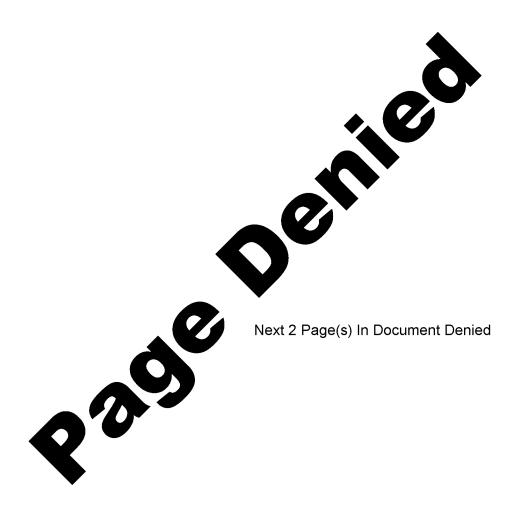
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	TIVITY NAME		COUNTRY
un-ming Coppe	r Smelter and Refine	ry Ta-pu-chi	СН
TM COORDINATES 8RTC655772	GEOGRAPHIC COORDINATES 25-05-53N 102-40-2	7.5	
AP REFERENCE	2J-0J-JJN 102-40-2	/ [
	eries 200. Sheet MO4	96-17HL. 3rd ed. Jan 68. Scale	1:200.000
(SECRET			
ATEST IMAGERY US	ED	NEGATION DATE (If required)	
2		NA NA	
<i>⊕ \$</i>	В	ASIC DESCRIPTION	



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INSTALLATION OR ACTIVITY NAME	COUNTRY	
•	COUNTRY	
Pai-yin Copper Smelter and Refinery Plant UTM COORDINATES GEOGRAPHIC COORDINATES 48SVR290450 36-32-53N 104-11-52E	СН	25X1
MAP REFERENCE ACIC. USATC, Series 200, Sheet M0383-22HL. 3rd ed. Dec 68. Scale 1:2 (SECRET)	00.000	 25X1
LATEST IMAGERY USED NEGATION DATE (If required)		-
NA NA		25X1
BASIC DESCRIPTION		•
A new fabrication area has been completed at Pai-yin Copper Sme Refinery Plant since January 1970, the date of the latest photograph previous report (see Figure 4). Ground scarring for the new fabrica located at the southwest corner of the plant, was first evident in J new buildings appeared externally complete on photography of addition, two new small support buildings had been erected and a lar building was being constructed in the plant area. A newly identified probable precious metals recovery section is western section of the plant. It was constructed at the same time a plant.	y used in the tion buildings, une 1969. The In ge support	25X1
The entire plant appeared very active during the period covered Smoke seen coming from the stack serving the smelter indicated that tion on all of the referenced photography. Changes in the number of coming from the probable precious metals recovery section, and stains processing buildings were also observed at the plant during this repo	it was in opera rail cars, fum	. _
		25X
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NSTALLATION OR AC	TIVITY NAME		COUNTRY
Shen-bung-chin	g Copper Smelter	·	СН
TM COORDINATES	GEOGRAPHIC COORDINAT	ES	
ORLJ050400 AP REFERENCE	30-10-45N 114-55	-42E	
		t M0493-11HL, 4th ed, .	Jul 68, Scale 1:200,000
ATEST IMAGERY USE	D	NEGATION DATE (If	required)
			NA
hen-hung-ching aphy used in ossible electronic ere first obseto be in the each	g Copper Smelter s the previous repor rolytic cell build erved in August 19 arly stage of cons	t. Ground scarring and ing, located in the sou 70. As of December 197 truction (see Figure 5 stack serving the smel-	date of the latest photog- d the foundation for the uthwest corner of the plant, 70 the new building appeared
		-11-	



INSTALLATION OR AC	CTIVITY NAME	COUNTRY
hen-vana Nonfe	errous Metals Plant	
ITM COORDINATES	GEOGRAPHIC COORDINATES	CH
1TWG302283	41-48-37N 123-21-58E	
	C, Series 200, Sheet MO	0290-11HL, 4th ed. Jan 66. Scale 1:200.000
(SECF	RET,	
ATEST IMAGERY USE	ED	NEGATION DATE (If required)
		NA
	·	10/1
	BASI	C DESCRIPTION
No apparor	nt changes have been ab	served at Shen-yang Nonferrous Metals Plant
since March 197	70, the date of the lat	est photography used in the previous report.
<u>ine pla</u> nt	was in operation on al	i of the referenced photography. On
smo	ke was observed coming	from the stack which some both the land
smo melter and the	oke was observed coming	from the stack which serves both the lead
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